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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Scott H. Brown and Tin-Tack P. Cheung

SERIAL NO.: 09/196,347

GROUP ART UNIT: 1764

FILED: November 19, 1998

EXAMINER: N. Preisch

For: HYDROGENATION CATALYSTS AND PROCESSES THEREWITH

Honorable Commissioner  
of Patents and Trademarks  
Washington, D. C. 20231

Sir:

AMENDMENT

RECEIVED  
JUN 28 2000  
TC 1700

In response to the Office Action mailed March 29, 2000, please enter the following amendments and consider the following remarks.

In the Claims

Please ~~cancel~~ claims 37-40, 55-57 and 59-61 without prejudice.

Please ~~amend~~ the following claims:

Claim 36. (Amended) A process comprising contacting a fluid with a catalyst composition wherein said fluid comprises a highly unsaturated hydrocarbon; said composition comprises palladium, silver, an alkali metal or an alkali metal-containing compound, a selectivity enhancer selected from the group consisting of lead, bismuth, thorium, gallium, tin, antimony, germanium, arsenic, cadmium, mercury, and combinations of two or more thereof, and an inorganic support selected from the group consisting of silica, alumina, spinel, and combinations of two or more thereof; and said palladium, silver, alkali metal or alkali metal-containing compound, and selectivity enhancer are each present in a sufficient amount to effect a selective hydrogenation of said highly unsaturated hydrocarbon; said selectivity enhancer is selected from the group consisting of lead, bismuth, thorium, gallium, tin, antimony, germanium, arsenic, cadmium,

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